

Belenois lordaca feeds at Huswah on *Caparis galeata*, that is, if this plant be conspecific with the Aden plant bearing the same name (to the uninitiated the plants look allied, but decidedly distinct from each other). I suspect that *T. vi* also feeds on this plant, though I have never yet found a larva in spite of careful search.

Catopsilia larvæ feed on *Cassia*, sp., but I have been unable to correctly obtain the specific name of this plant; it is, however, allied to *adenensis*, and may be that species.

Zesius livia.—Specimens bred from the pods of *Acacia edgeworthii* collected in Gold Mohur Valley. At Haithalhim a number of pupæ were found under a large stone; from these, too, a species of *Zesius* emerged.

Limnas.—The larvæ feed on *Calotropis gigantea*.

Seasonal dimorphism does not seem to occur to any extent in the neighbourhood; though it may possibly do so in the case of *Teracolus calais* and *dynamene*.

The year 1883 was very wet, heavy rain having fallen in May, consequently in July a large number of Butterflies appeared—among others, a very brightly-coloured form of *T. calais* (all, I believe, females however): this may point to *T. calais* being the rainy-season form and *T. dynamene* the dry. I never met with this unusually brightly-coloured form in after years.—J. W. YERBURY.

2. On Moths collected at Aden and in Somaliland. By
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(Plate X.)

The following paper contains a record of the collections made at Aden and its neighbourhood in the year 1895 by Col. J. W. Yerbury and Capt. C. G. Nurse, and of a small Somaliland collection made at Zaila by Capt. Nurse. It also includes the Heterocera recorded from Aden in a paper by Mr. A. G. Butler in the Society's 'Proceedings' for 1884 (collected by Cols. Yerbury and Swinhoe), and the few Moths recorded from Somaliland by Mr. Butler in his paper on the Lepidoptera of Somaliland in the Society's 'Proceedings' for 1885, nearly all these species, however, being again represented in the collections now worked out.

The Aden forms show, as might be expected, a mingling of the European, N. African, and Western Indian species, the latter decidedly predominating. The number of species is very large for such a barren locality, especially among the *Pyralidæ*, the number of *Phycitinae* being a marked feature of the fauna, whilst the most interesting new form is the archaic genus of the *Nola* group. The portion of the paper on the *Pterophoridae*, *Tortricidæ*,

and *Tineidæ* is by Lord Walsingham, the remainder by myself, in which part only such synonymy is given as is necessary to elucidate Mr. Butler's previous paper. The types of the new species have been presented to the collections of the British Museum and Lord Walsingham by Col. Yerbury and Capt. Nurse.—G. F. H.

ARCTIIDÆ.

LITHOSIINÆ.

SECUSIO STRIGATA, Wlk. ii. 559.

Zaila, Somaliland.

DEIOPIA PULCHELLA, Linn. Syst. Nat. i. 2, 884.

Aden; Zaila, Somaliland.

NYCTEOLINÆ.

EARIAS INSULANA, Boisd. Faun. Madag. p. 121, pl. 16. f. 9.

Aden; Lahej; Zaila, Somaliland.

ARCTIINÆ.

SPILOSOMA ARABICUM, n. sp. (Plate X. fig. 25.)

Dull greyish white; legs crimson, grey, and black; palpi black above; antennæ black, the basal joint crimson; a crimson line behind the head and streak on shoulders; patagia with paired black spots; abdomen crimson, with dorsal black spots; anal tuft in female grey. Fore wing with more or less black on base of costa; an antemedial series of five black spots bent inwards below median nervure; a black discocellular patch divided into a cluster of spots by the veins; a curved postmedial series of spots, commencing with an elongate spot below costa, and with black specks and spots beyond it below costa and near veins 5 and 2. Hind wing with discocellular spot, and sometimes with two or three submarginal spots.

Hab. Aden (Yerbury). *Exp.* ♂ 32, ♀ 38 mm.

NOLINÆ.

Genus ARCHINOLA, nov.

Palpi porrect, extending about the length of head and thickly scaled, the 3rd joint concealed; maxillary palpi large and triangularly dilated with scales; proboscis small; antennæ of male minutely ciliated, the basal joints dilated with scales; legs and tibial spurs moderate. Fore wing with a few scattered raised scales; vein 3 from before angle of cell; 4, 5 from angle; 6 from upper angle; 7, 8, 9 stalked; 10, 11 free. Hind wing with vein 3 from before angle of cell; 4, 5 from angle; 6, 7 on a long stalk; 8 anastomosing with the cell to near end.

The large maxillary palpi are a most remarkable feature in this genus, which is otherwise near *Pisara*, Wlk., and tends to prove the derivation of the *Nolinae* group of the *Arctiidae* from the *Tineidae*, in close relationship with the ancestor of the *Scopariinae*, *Schenobinae*, and lower *Pyrallidae*.

ARCHINOLA PYRALIDIA, n. sp. (Plate X. fig. 23.)

♂. Brownish grey. Fore wing slightly irrorated with fuscous; an antemedial erect fuscous line; a postmedial line curved from costa to vein 3, then incurved to below end of cell. Hind wing pale fuscous.

Hab. Aden (*Nurse*). *Exp.* 14 mm.

AGARISTIDÆ.

EUSEMIA THRUPPI, Butl. P. Z. S. 1885, p. 775.

S. of Berbera, Somaliland.

NOCTUIDÆ.

TRIFINÆ.

GLOTTULA ORIENTALIS, Hmps. Moths Ind. ii. p. 168.

Aden.

Larva. Head reddish; somites French grey, the 2nd, 3rd, 4th, and terminal two light red; each somite with a black ring, the medial ones broadest. Food-plant *Pancratium tortuosum*.

HELIOTHIS NUBIGERA, H.-S. Eur. Schmett. ii. p. 366.

Heliothis peltigera, Butl. P. Z. S. 1885, p. 776 (nec Schifferm.).

Aden; Somaliland.

HELIOTHIS ARMIGERA, Hübn. Samml. eur. Schmett., Noct. ii. pl. 79.

Aden.

HELIOTHIS PICTIFASCIA, n. sp. (Plate X. fig. 8.)

♀. Grey; thorax variegated with ochreous, the patagia with black and white streak; tarsi ringed with black; abdomen pale grey. Fore wing with ochreous spot at base; some ochreous specks on costa; an ochreous fascia below median nervure from base to outer margin irrorated with black, and with three blackish marks on it; a similar fascia from middle of cell to outer margin, with the elongate ochreous orbicular and rounded reniform stigmata on it; a submarginal series of black and ochreous lunules; a marginal series of black spots; cilia ochreous at base, pale at tips, with series of fuscous spots. Hind wing pure white.

Hab. Zaila, Somaliland (*Nurse*). *Exp.* 38 mm.

EUPLEXIA OPPOSITA, Wlk. xxxii. 667.

Aden.

EUPLEXIA CONDUCTA, Wlk. x. 296.

Perigea inexacta, Wlk, xxxii. 682.

Aden.

PRODENIA LITTORALIS, Boisd. Faun. Ent. Madag., Lép. p. 91,
pl. 13. f. 8.

Aden.

PRODENIA MINIMA, Swinh. P. Z. S. 1889, p. 410.

Aden.

SPODOPTERA MAURITIA, Boisd. Faun. Ent. Madag., Lép. p. 92.

Agrotis exempta, Wlk. x. 355 (var.).

Zaila, Somaliland; the var. *exempta* from Shaik Othman, Arabia,
and Zaila.

AMYNA SELENAMPHA, Guen. Noct. i. p. 406.

Aden; Zaila, Somaliland.

AMYNA OCTO, Guen. Noct. i. p. 233.

Amyna stigmatula, Snell. Tijd. v. Ent. xv. p. 55.

Aden; Lahej, Arabia.

CALLOPISTRIA LATREILLEI, Dup. Lép. Fr., Noct. iv. pt. i. p. 327,
pl. 120. f. 2.

Zaila, Somaliland.

CALLOPISTRIA YERBUEH, Butl. P. Z. S. 1884, p. 496.

Aden; Zaila, Somaliland.

CARADRINA EXIGUA, Hübn. Samml. eur. Schmett., Noct. f. 362.

Aden. The larva feeds on *Zygophyllum simplex*.

TATHORHYNCHUS VINCTALE, Wlk. xxxiv. 1476.

Aden.

LEUCANIA SICULA, Treit. x. 2, 90.

Lahej, Arabia.

LEUCANIA UNIPUNCTA, Haw. Lep. Brit. p. 174.

Aden.

NONAGRIA CONFUSA, Wlk. ix. 105.

Lahej, Arabia; Aden.

ACONTINÆ.

MEGALODES, n. sp.

Aden. A specimen too worn to describe.

TARACHE NOTABILIS, Wlk. xi. 669.

Lahej, Arabia. A pale, slightly-marked specimen; fore wing with the costal marks reduced to specks; hind wing with slight trace of fuscous at apex only.

TARACHE VARIA, Wlk. xxxiii. 772.

Aden.

TARACHE FLAVONIGRA, Swinh. P. Z. S. 1884, p. 522, pl. 47. f. 15.
Aden.

ACONTIA GRÆLLSII, Feisth. Ann. Soc. Ent. Fr. vi. p. 300, pl. 12.
f. 3.

Zanthodes innocens, Wlk. xv. 1752.

Aden; Lahej, Arabia.

ACONTIA INSIGNIS, Butl. P. Z. S. 1884, p. 500.

Aden.

Larva with three pairs of prolegs; dull orange with interrupted brownish bands between the somites, the four medial bands darker and more prominent; each somite with paired lateral spots; warty and clothed with short bristles. Food-plant *Anarrhinum pedicellatum*.

XANTHOPTERA MESOZONA, n. sp. (Plate X. fig. 9.)

♀. Head, thorax, and abdomen ochreous, the last suffused with fuscous. Fore wing ochreous, a black spot at base of costa and two specks beyond it; a broad medial black band; a black discocellular speck; a faint postmedial line arising from a black spot on costa and excurved below costa; a slightly sinuous silvery submarginal line with black spot inside it on costa; a marginal black line widening at apex. Hind wing fuscous.

Hab. Aden (*Yerbury*). *Exp.* 20 mm.

MARIMATHA SUBFLAVALIS, Wlk. xxxiv. 1205.

Aden.

METACHROSTIS QUINARIA, Moore, P. Z. S. 1881, p. 371.

Shaik Othman, Arabia.

METACHROSTIS ATRIBASALIS, n. sp. (Plate X. fig. 11.)

♂. Head and thorax black; abdomen fuscous, ochreous towards base. Fore wing bright ochreous; the basal area black with erect outer edge; a medial triangular black patch on costa extending almost to lower angle of cell; outer area black with a grey tinge, its inner edge indented at veins 6 and 3. Hind wing pale fuscous.

Hab. Aden (*Nurse*). *Exp.* 12 mm.

This species in facies resembles *Acontia insignis* and *Xanthoptera mesozona*, having the same black and yellow coloration.

EUBLEMMA BULLA, Swinh. P. Z. S. 1884, p. 518, pl. 47. f. 9.

Aden.

The fore wing more ochreous than in Indian specimens.

EUBLEMMA PARVA, Hübn. Eur. Schmett., Noct. fig. 356.

Aden.

EUBLEMMA BIFASCIATA, Moore, P. Z. S. 1881, p. 371.

Aden.

EUBLEMMA DIVISA, Moore, P. Z. S. 1881, p. 371.

Aden.

EUBLEMMA SEMINIVEA, n. sp. (Plate X, fig. 19.)

♂. Head and thorax pure white; base of palpi and abdomen yellowish. Fore wing with the basal half pure white, the costa with two specks and its edge dark; the outer half red-brown, with fine erect black line on its inner edge, which is slightly indented at veins 5 and 2; a triangular white patch on costa before apex; some submarginal black specks; a marginal white line; the cilia grey. Hind wing white; the outer area slightly suffused with ochreous.

Hab. Aden (*Yerbury*). *Exp.* 15 mm.

EUBLEMMA ECHLEMATATA, n. sp. (Plate X, fig. 6.)

♂. Pure white; palpi, antennae, and abdomen slightly tinged with fuscous; two dark specks on basal half of costa and one on inner margin; an oblique line from middle of costa to inner margin near outer angle, with a triangular patch of pink suffusion beyond it from costa to its apex on vein 2; an indistinct double postmedial line forming a whorl-shaped mark at end of cell; a submarginal series of dark specks; cilia tinged with pink. Hind wing with the outer area suffused with pink; the cilia pink.

Hab. Shaikh Othman, Arabia (*Nurse*). *Exp.* 18 mm.

EUBLEMMA ABRUPTA, Wlk. xxxiii. 830.

Aden; Lahej and Shaikh Othman, Arabia.

SARROTHRIPINÆ.

PLOTHRIA CELTIS, Moore, Lep. E. I. C. p. 353, pl. 16. f. 8.

Aden.

HYBLÆA PUERA, Cram. Pap. Exot. pl. 103. ff. D, E.

Aden.

CLETTTHARRA MINORELLA, Wlk. xxxv. 1730.

Aden.

EUTELIINÆ.

EUTELIA DISCISTRIGA, Wlk. xxxiii. 823.

Aden; Zaila, Somaliland.

GONOPTERINÆ.

COSMOPHILA MESOGONA, Wlk. xiii. 1002.

Aden; Zaila, Somaliland.

COSMOPHILA SABULIFERA, Guen. Noct. ii. p. 404.

Gonitis propinqua, Butl. P. Z. S. 1884, p. 497.

Aden; Zaila, Somaliland.

COSMOPHILA EROSA, Hübn. Zutr. Samml. exot. Schmett. ii. 19, ff. 287, 288.

Aden; Zaila, Somaliland.

CHURIA ARCUATA, Wlk. xii. 779.

Zaila, Somaliland.

QUADRIFINÆ.

NYCTIPAO LATONA, Cram. Pap. Exot. i. p. 20, pl. 13. f. B.

Aden.

POLYDESMA QUENAVADI, Guen. Noct. ii. p. 438.

Aden.

POLYDESMA VETUSTA, Wlk. xxxiii. 875.

Aden.

MELIPOTIS ATROSIGNATA, Wlk. xv. 1770.

Aden.

MELIPOTIS YERBURYI, Butl. A. M. N. H. (6) x. p. 327.

Aden.

MELIPOTIS MELANODONTA, n. sp.

Head and thorax grey, irrorated with brown and black; abdomen brownish ochreous. Fore wing whitish, suffused with pale reddish brown and irrorated with black; an indistinct highly waved ante-medial black line; an ill-defined lunulate discocellular mark; traces of two waved medial lines and of a minutely dentate postmedial line excurved beyond cell, then bent inwards to the medial lines; a dentate submarginal line sending some dentate black marks inwards; the marginal area rufous; a marginal series of black strisæ; cilia whitish, with three dark patches. Hind wing ochreous, the outer area browner; indistinct sinuous postmedial and curved submarginal lines; cilia white.

Hab. Aden (*Yerbury*). *Exp.* 24 mm.

GNAMPTONYX VILIS, Wlk. xxxiii. 889.

Aden.

PSEUDOPHIA BENENOTATA, Warr. P. Z. S. 1888, p. 313.

Lahej and Shaik Othman, Arabia.

PSEUDOPHIA DEVIA, Swinh. P. Z. S. 1884, p. 520, p. 48. f. 3.

Aden; Lahej, Arabia.

PSEUDOPHIA INDECISA, Wlk. xii. 829.

Aden.

PSEUDOPHIA OCHRIBASALIS, n. sp. (Plate X. fig. 31.)

Head and thorax ochreous; abdomen dirty white. Fore wing with the basal third ochreous, the outer two-thirds fuscous; a short waved subbasal line from costa with grey inside it; a post-medial line excurved and sinuous between veins 6 and 3, with ochreous on its outer edge and ochreous discocellular spot inside it; traces of a dentate grey submarginal line arising from an ochreous mark on costa; a marginal series of white specks; cilia grey at tips. Hind wing semihyaline white, with fuscous marginal band narrowing from costa to vein 2.

Hab. Aden (*Yerbury, Nurse*). *Exp.* ♂ 22, ♀ 26 mm.

SPHINGOMORPHA CHLOREA, Cram. Pap. Exot. ii. pl. 104. f. C.

Sphingomorpha monteironis, Butl. A. M. N. H. (4) xvi. p. 406.

Aden.

OPHIUSA MELICERTE, Drury, Exot. Ins. i. p. 46, pl. 23. f. i.

Achæa catella, Guen. Noct. iii. p. 247.

Aden; Zaila, Somaliland.

Larva a semilooper with broad blue-black dorsal line and paired lateral creamy-white lines; food-plant *Euphorbia systyla*.

OPHIUSA ALGIRA, Linn. Syst. Nat. i. p. 836.

Aden.

HYPÆTRA LEUCOPTERA, n. sp. (Plate X. fig. 1.)

White, very slightly suffused with brown and irrorated with fuscous. Fore wing with slightly sinuous curved antemedial black line, with fuscous suffusion on its inner edge; a postmedial black line slightly sinuous from costa to vein 4, then bent inwards to below end of cell, and outwardly oblique to inner margin, its outer edge with fuscous suffusion, broad in the sinus below middle; a subapical black spot and marginal series of specks. Hind wing with slight postmedial and marginal fuscous suffusion.

Hab. Aden (*Nurse*). *Exp.* 28 mm.

PLECOPTERA REFLEXA, Guen. Noct. ii. p. 430.

Zaila, Somaliland. One female.

REMIGIA REPANDA, Fabr. Ent. Syst. iii. 2, 49, 133.

Remigia conveniens, Wlk. xiv. 1507.

Aden.

REMIGIA FRUGALIS, Fabr. Syst. Ent. vi. p. 601.

Aden; Shaik Othman, Arabia.

TRIGONODES HYPPASIA, Cram. Pap. Exot. iii. pl. 250, E.

Ophiura anfractuosa, Boisd. Faun. Ent. Madag., Lép. p. 104,
pl. 15. f. 6.

Trigonodes acutata, Guen. Noct. iii. p. 283.

Aden.

GRAMMODES STOLIDA, Fabr. Syst. Ent. p. 599.

Aden; Zaila, Somaliland.

ENTOMOGRAMMA NIGRICEPS, Wlk. xv. 1595.

Lahej, Arabia.

THERMESIA RUBRICANS, Boisd. Faun. Ent. Madag., Lép. p. 106,
pl. 16. f. 1.

Lahej, Arabia; Zaila, Somaliland.

HOMÆA CLATHRUM, Guen. Noct. iii. p. 207.

Aden.

OPHIDERES MATERNA, Linn. Syst. Nat. i. 2, p. 840.

Aden.

PSEUDOCALPE VAGABUNDA, Swinh. P. Z. S. 1884, p. 519, pl. 47. f. 5.

Aden.

PLUSIA BRIOSOMA, Doubl. Dieffenbach's New Zealand, ii. p. 285.

Zaila, Somaliland.

PLUSIA LIMBIRENA, Guen. Noct. ii. p. 350.

Aden.

PLUSIA NI, Hübn. Noct. pl. 58. f. 284.

Aden.

FOCILLINÆ.

RAPARNA DIGRAMMA, Wlk. xxxiv. 1170.

Aden; Shaik Othman, Arabia; Zaila, Somaliland.

The common form of the species at Aden is the variety *lactea*,
but the typical form also occurs.

RAPARNA IMPARATA, Wlk. xv. 1777.

Magulaba mæstalis, Wlk. xxxiv. 1127.

Aden; Zaila, Somaliland.

DELTOIDINÆ.

PSEUDAGLOSSA FUMOSA, n. sp. (Plate X. fig. 26.)

♂. Palpi obliquely curved; antennæ with long branches diminishing to apex. Pale brown, thickly irrorated with fuscous. Fore wing with some fuscous at base of costa; traces of waved antemedial and two medial dark lines; a discocellular black lunule; a rather more defined postmedial waved line arising from a dark spot on the costa and with traces of another line beyond it; a marginal series of dark specks. Hind wing fuscous, with two dark marks at anal angle.

Hab. Aden (*Nurse*). *Exp.* 18 mm.

HYPENÆ MASURIALIS, Guen. Delt. & Pyr. p. 38.

Hypenæ obacervalis, Wlk. xvi. 53.

Aden; Zaila, Somaliland.

HYPENÆ LIVIDALIS, Hübner. Samml. eur. Schmett., Pyr. ff. 11, 186.

Aden; Zaila, Somaliland.

HYPENÆ ABYSSINIALIS, Guen. Delt. & Pyr. p. 39.

Hypenæ jussalis, Wlk. xvi. 52.

Aden; Shaik Othman, Arabia; Zaila, Somaliland.

HYPENÆ OBSITALIS, Hübner. Samml. eur. Schmett., Pyr. ff. 164-5.

Aden; Shaik Othman, Arabia; Zaila, Somaliland.

LYMANTRIIDÆ.

THIACIDAS VILIS, Wlk. xxxii. 348.

Zaila, Somaliland.

EUPROCTIS FASCIATA, Wlk. iv. 809.

Aden.

Larva highly urticating; feeds on a creeper.

SATURNIIDÆ.

SATURNIA OUBIE, Guérin, Voy. en Abyssinie, p. 387, pl. 12. ff. 1, 2.

Somaliland.

GEOMETRIDÆ.

BOARMIINÆ.

TEPHREINA DISPUTARIA, Guen. Phal. ii. p. 489.

Tephreina sublimbata, Butl. P. Z. S. 1884, p. 502.

Aden; Shaik Othman, Arabia.

TEPHREINA CATALAUNARIA, Guen. Phal. ii. p. 108.

Aden; Lahej and Shaik Othman, Arabia.

ORSONOBA CLELIA, Cram. Pap. Exot. iii. p. 172, pl. 288. ff. B, C.
Shaik Othman, Arabia.

LARENTIINÆ.

Genus ACIDALIASTIS, nov.

Palpi minute and hardly reaching beyond the frons; proboscis absent; antennæ of male bipectinated; hind tibiæ with the medial spurs absent. Fore wing with vein 2 from towards end of cell; 4, 5 from angle; 6 from above middle of discocellulars; 7, 8, 9, 10 stalked, 7 being given off beyond 10, and 9 near the apex; 11 becoming coincident with 12. Hind wing with vein 2 from near angle of cell; 3, 4 from angle; 5 from middle of discocellulars; 6, 7 on a long stalk; 8 anastomosing with the cell to near end of it.

ACIDALIASTIS MICRA, n. sp. (Plate X. fig. 20.)

Chalky white. Fore wing with oblique brown line from upper angle of cell to inner margin; a prominent black discocellular spot; an oblique slightly curved brown postmedial line. Hind wing with postmedial black speck on inner margin; both wings with some marginal black specks.

Hab. Aden (*Nurse*). *Exp.* 10 mm.

ACIDALIINÆ.

CRASPEDIA ACTUARIA, Wlk. xxii. 752.

Aden; Lahej and Shaik Othman, Arabia.

CRASPEDIA JACTA, Swinh. P. Z. S. 1884, p. 526, pl. 48. f. 12.

Aden.

ACIDALIA TESTACEA, Swinh. P. Z. S. 1885, p. 863, pl. 57. f. 15.

Aden.

EPHYRA RUFISTRIGATA, n. sp. (Plate X. fig. 3.)

Pale brownish ochreous; antennæ with the shaft whitish; wings thickly marked with minute brown striæ and irrorated with a few dark scales; a dark cell-speck and traces of postmedial and submarginal lines. Underside thickly marked with pink striæ and with incomplete pink submarginal line.

Hab. Aden; Shaik Othman, Arabia (*Nurse*). *Exp.* 22 mm.

EMMILTIS NIGRESCENS, n. sp. (Plate X. fig. 2.)

♂. Dark brown, irrorated with grey, white, and ochreous. Fore wing with sinuous black antemedial line; a black discocellular spot on an obscure line which is bent inwards below cell; a postmedial line slightly bent outwards between veins 6 and 3, the area between it and the medial line suffused with brown; a sinuous white submarginal line with a more prominent and whiter sinus at middle and dark suffusion on its inner edge. Hind wing browner, with

black cell-specks and pale waved postmedial and submarginal lines; both wings with fine black marginal line.

Hab. Aden (*Yerbury, Nurse*). *Exp.* 18 mm.

Allied to *E. (Fidonia) megalaria*, Oberth., and its Egyptian race *obscuraria*, Beth.-Baker.

GEOMETRINÆ.

NEMORIA SOLIDARIA, Guen. Phal. i. p. 348.

Shaik Othman and Lahej, Arabia.

NEMORIA PULVEREISPARSa, n. sp. (Plate X. fig. 27.)

♀. Whitish, thickly irrorated and mottled with fuscous brown; both wings with indistinct discocellular spot and waved ante- and postmedial lines. Underside whiter.

Hab. Aden. *Exp.* 22 mm.

NEMORIA DIRECTA, Wlk. xxii. 535.

Aden.

EUCROSTIS DISPARATA, Wlk. xxii. 567.

Aden.

SPHINGIDÆ.

ACHERONTIA STYX, Westw. Cab. Or. Ent. p. 88, pl. 42. f. 3.

Aden; rare.

PROTOPARCE CONVOLVULI, Linn. Syst. Nat. i. p. 798.

Protoparce orientalis, Butl. Trans. Z. S. ix. p. 609.

Aden.

BASIOTHTA MEDEA, Fabr. Spec. Ins. ii. p. 143.

Sphinx idricus, Drury, Ill. Exot. Ins. iii. pl. 2. f. 2.

Aden.

DAPHNIS NERII, Linn. Syst. Nat. i. p. 798.

Aden. *Larva* green or orange. Food-plant *Adenum obesum*.

DILEPHILA LIVORNICA, Esp. Schmett. ii. pp. 87, 196, pl. 8. f. 4.

Aden. *Larva* on *Boerhavia elegans*.

CHÆROCAMPA ALECTO, Linn. Syst. Nat. i. p. 802.

Aden; May, at flowers of *Poinciana elata*.

CHÆROCAMPA CELERIO, Linn. Syst. Nat. i. p. 800.

Aden.

Larva black or green. Food-plant *Boerhavia elegans*.

MACROGLOSSA TROCHILUS, Hübn. Samml. exot. Schmett. ii.

Shaik Othman, Arabia.

LOPHURA NANA, Wlk. viii. 107.

Aden.

Larva various shades of green or pinkish; a prominent white lateral stripe with a yellowish stripe above it, and some of the ground-colour between the two; some specimens with chocolate-coloured dorsal snake-like markings. Food-plant *Oldenlandia schimpyferi*.

CEPHONODES HYLAS, Linn. Mant. p. 539.

Zaila, Somaliland.

PYRALIDÆ.

GALERIINÆ.

ACHRÆA GRISELLA, Fabr. Ent. Syst. p. 289.

Aden.

CRAMBINÆ.

EROMENE OCELLEA, Haw. Lep. Brit. p. 486.

Aden.

EROMENE PAVONIALIS, n. sp. (Plate X. fig. 28.)

Head grey; thorax white, finely mottled with black scales; abdomen pale, suffused with fuscous. Fore wing white, finely and thickly mottled with black scales; traces of an erect antemedial yellow line; a yellow band from lower angle of cell to inner margin, with four black marks on it; a yellow spot with some black scales on it beyond the cell; a postmedial whitish line excurved between veins 6 and 4. Hind wing white, suffused with fuscous towards outer margin; a fuscous marginal line and a dark line through the cilia.

Hab. Aden (*Nurse*). *Exp.* 22 mm.*PLATITES ICTERICUS*, Swinh. P. Z. S. 1885, p. 876, pl. 57. f. 16.

Lahej, Arabia.

CRAMBUS LEUCOZONELLUS, n. sp. (Plate X. fig. 5.)

♀. Head white; thorax white and grey; abdomen white. Fore wing grey; the costa white, broadening to the subapical line; a white fascia from base along median nervure dividing into three branches towards outer margin, the lowest branch not reaching the margin, a black marginal speck below each branch; the inner margin with diffused white on it; a rufous postmedial line angled outwards on vein 6 and inwards on vein 2, then bent inwards to inner margin; two ferruginous lines across apex, the inner becoming a sinuous submarginal line. Hind wing white.

Another specimen has the costa of fore wing grey; the medial fascia much more diffused and its branches ill-defined.

Hab. Aden. *Exp.* 22 mm.

ANCYLOLOMIA CHIRYSOGAPHELLA, Koll. Hüg. Kasch. iv. p. 494.
Aden.

ANERASTIINÆ.

ANERASTIA ABLUTELLA, Zell. Isis, 1839, p. 177.
Aden.

POLYOCIA DEPRESSELLA, Swinh. P. Z. S. 1885, p. 876, pl. 57. f. 5.
Aden; Lahej, Arabia.

POLYOCIA STRIGICOSTELLA, n. sp.

Palpi of male with the 2nd joint hollowed out to receive the brush-like maxillary palpi; antennæ uniseriate, with a tuft of black hair in the basal sinus; fore wing with veins 4, 5 from cell; hind wing with vein 3 stalked with 4, 5.

Head, thorax, and abdomen grey, with an ochreous tinge. Fore wing grey, all the veins defined by fine black streaks; a diffused reddish-ochreous fascia below median nervure, and a short diffused ochreous fascia on base of inner margin. Hind wing pure white.

Hab. Lahej, Arabia (*Nurse*). *Exp.* 26 mm.

PHYCOTINÆ.

EPHESTIA CAUTELLA, Wlk. xxvii. p. 73.
Aden.

EPHESTIA ELUTELLA, Hübner.
Aden.

HOMÆOSOMA XANTHOTRICHIA, Staud. Stett. e. Zeit. 1859, p. 226.
Lahej, Arabia.

HETEROGRAPHIS YERBURII, Butl. P. Z. S. 1884, p. 502.
Aden.

HETEROGRAPHIS UNIPUNCTELLA, n. sp.

Palpi of male with the 2nd joint hollowed out to contain the brush-like maxillary palpi; frons with a rounded prominence; antennæ ciliated.

Head and thorax grey and fuscous; abdomen with a rufous tinge. Fore wing grey, thickly irrorated with fuscous; an indistinct dark antemedial line angled inwards in cell, then becoming white, with a fulvous patch on its inner side becoming fuscous at inner margin; a black speck at lower angle of cell; a sinuous dark submarginal line outwardly defined by white, beyond which is a fuscous patch at apex and a fulvous patch from vein 6 to inner margin. Hind wing semihyaline white; the veins, marginal area, and a line through the cilia brown.

Hab. Aden (*Yerbury, Nurse*); Punjab (*Harford*). *Exp.* 18 mm.

HETEROGRAPHIS CARNIBASALIS, n. sp.

♂. Maxillary palpi thickly scaled; frons with a rounded prominence; antennæ laminate.

Head and thorax rufous and grey; abdomen whitish. Fore wing with the basal area rufous, deepening to the antemedial line, which is straight, oblique, white, irrorated with black and inwardly edged with black; the medial, costal, and outer areas irrorated with pink-brown scales, the rest of the medial area diffused with olive-brown; an oblique white postmedial line irrorated with black scales. Hind wing whitish, suffused towards margin with pale brown.

Hab. Aden (*Nurse*). *Exp.* 12 mm.

HETEROGRAPHIS PRONIPHEA, n. sp.

♂. Maxillary palpi minute; frons rounded; antennæ ciliated.

Head grey; thorax and abdomen pale rufous. Fore wing pale rufous, suffused with vinous purple; the costal area white, irrorated with purple, and tapering to base and apex; a white spot on vein 1 before middle; an indistinct straight whitish submarginal line. Hind wing pale brown; the cilia white.

Hab. Aden (*Nurse*). *Exp.* 16 mm.

ANCYLOSIS NIGRITARSEA, n. sp.

♂. Antennæ with slight sinus and roughened scales on base of shaft.

Grey; palpi white, the extremity of 2nd and the 3rd joint black; legs white, the tarsi and extremity of hind tibiae black; abdomen with pale rings. Fore wing suffused and irrorated with fuscous; the costal area white, irrorated with red scales, and tapering to base and apex. Hind wing white, with pale brown marginal line.

Hab. Shaik Othman, Arabia (*Nurse*). *Exp.* 18 mm.

ANCYLOSIS FUSCOPARSELLA, Zell.

Aden. Most of the specimens have vein 4 of the hind wing given off just before the margin.

NEPHOPTERYX DIVISELLA, Dup. Lép. Fr., Suppl. iv. p. 126, pl. 60. f. ix.

Aden.

NEPHOPTERYX (THYLOCOPTILA) PAUROSEMA, Meyr. Ent. Mo. Mag. 1885, p. 106.

Lahej and Shaik Othman, Arabia.

NEPHOPTERYX (SALEBRIA) METAMELANA, n. sp. (Plate X. fig. 7.)

Head, thorax, and abdomen grey, the last with the terminal segments blackish in male. Fore wing grey, diffused and irrorated with black; the costal area whiter to the postmedial line; a black basal speck; an obliquely sinuous black antemedial line, with

ochreous band on its inner edge, inside which is sometimes a black spot below median nervure; the two discocellular black specks sometimes conjoined into a lunule and with an ochreous and black mark on costa above them; a submarginal sinuous black line, with ochreous band on its outer edge and diffused black patch beyond it on costa. Hind wing white; both wings with fine black and ochreous marginal line, most prominent on fore wing, which has two fine dark lines through the cilia. Underside of male with a jet-black spot at base of costa of hind wing.

Hab. Aden (*Nurse*). *Exp.* 20 mm.

NEPHOPTERYX (SALEBRIA) NIGRISTRIATA, n. sp. (Plate X. fig. 22.)

♂. Head and thorax white, irrorated with black; abdomen brownish. Fore wing white irrorated with black, the inner area tinged with ochreous; a short black streak below the base of costa; a long streak below median nervure and a short streak on median nervure; an antemedial black line running out to an acute angle to lower angle of cell, then interrupted; postmedial black streaks on subcostals and veins 6, 5, and 1; a double submarginal black line slightly excurved at middle. Hind wing ochreous white. Underside with a jet-black spot on base of costa of fore wing.

Hab. Aden (*Nurse*). *Exp.* 14 mm.

PHYCITA PHENICOORASPIS, n. sp.

♂. Palpi with the second joint hollowed out to receive the maxillary palpi, which are triangular and flattened against the frons; antennæ with a sinus at base of shaft containing a ridge of large scales.

Head and thorax grey, irrorated with a few pink scales; abdomen white. Fore wing fuscous, thickly irrorated with white and pink scales; a white costal fascia thickly irrorated with pink from before middle to near apex; an ill-defined brown antemedial band; an indistinct medial line excurved at middle; a brown patch at lower angle of cell; a submarginal sinuous line with a brown patch on its inner side. Hind wing iridescent hyaline white, with fuscous marginal line and line through the cilia.

Hab. Aden (*Yerbury*). *Exp.* 20 mm.

Larva gregarious; yellow with black bands; much infested by *Ichneumons*; feeds on a prickly shrub.

PHYCITA POTERIELLA, Zell. *Isis*, 1846, p. 743.

Aden.

EPICROCIS (CANDIOPE) JOANNISELLA, Rag. *Nouv. Gen. Phyc.* p. 14; *Mon. Phyc.* pl. 10. f. 12.

Aden.

EPICROCIS (CANDIOPE) ERUBESCENS, n. sp. (Plate X. fig. 30.)

♂. Differs from *E. joannisella* in being suffused with pink. Fore wing with the first line more medial and with a dark patch before

it above inner margin, and a triangular diffused pale patch beyond it embracing the discocellular spot and without streaks on the veins; marginal band pink, with a series of dark marginal specks.

♀. Abdomen marked with brown and black; fore wing without the postmedial pale costal patch.

Hab. Aden (*Nurse*). *Exp.* ♂ 16, ♀ 18 mm.

ETIELLA ZINCKENELLA, Treit. Schmett. Eur. ix. p. 201.

Aden.

PYRALINÆ.

PYRALIS OBSOLETALIS, Mann. Wien. ent. Mon. 1864, p. 179.

Aden.

CONSTANTIA VULGARIS, Butl. P. Z. S. 1881, p. 621.

Shaik Othman, Arabia.

CONSTANTIA (ZONORA) RUFIMARGINALIS, n. sp.

♂. Head and thorax pale red-brown and grey; abdomen pale. Fore wing pale red-brown irrorated with black, which is thickest on disc and before the postmedial minutely dentate white line, which is angled outwards on vein 6, then curved to vein 2; the outer area somewhat more rufous, with a diffused dark subapical spot and dark marginal line. Hind wing pale brown, suffused with fuscous.

Hab. Lahej, Arabia (*Nurse*). *Exp.* 20 mm.

SCHEENOBIINÆ.

THYRIDOPHORA FURIA, Swinh. P. Z. S. 1884, p. 519, pl. 47. f. 13.

Aden.

HYDROCAMPINÆ.

AULACODES PERIBOCALIS, Wlk. xvii. p. 446.

Aden.

DUPONCHELIA FOVEALIS, Zell. Isis, 1847, p. 588.

Shaik Othman, Arabia.

PYRAUSTINÆ.

ZINCKENIA FASCIALIS, Cram. Pap. Exot. iv. pl. 398. f. O.

Aden; Shaik Othman, Arabia; Zaila, Somaliland.

NACOLEIA VULGALIS, Guen. Delt. & Pyr. p. 202, pl. 6. f. 8.

Lahej, Arabia.

BOCCHORIS ONYCHINALIS, Guen. Delt. & Pyr. p. 205, pl. 6. f. 9.

Aden.

BOCCHORIS INSPERSALIS, Zell. Lep. Caffr. p. 33.

Desmia afflictalis, Guen. Delt. & Pyr. p. 191, pl. 5. f. 4.

Aden; Zaila, Somaliland.

MARASMIA TRAPEZALIS, Guen. Delt. & Pyr. p. 200.

Lahej, Arabia; Zaila, Somaliland.

PAGYDA TRADUCALIS, Zell. Lep. Caffr. p. 54.

Aden.

GLYPHODES UNIONALIS, Hübn. Eur. Schmett., Pyr. f. 132.

Margarodes transvisalis, Guen. Delt. & Pyr. p. 304.

Aden.

GLYPHODES INDICA, Saund. Trans. Ent. Soc. 1851, p. 163.

Aden.

HELLULA UNDALIS, Fabr. Ent. Syst. iii. 2, p. 226.

Aden; Shaik Othman, Arabia.

CROCIDOLOMIA BINOTALIS, Zell. Lep. Caffr. p. 65.

Shaik Othman and Lahej, Arabia.

TEGOSTOMA COMPARALIS, Hübn. Verz. p. 347.

Aden.

TEGOSTOMA BIPARTALIS, n. sp.

Head and thorax yellowish white, with brown stripe on vertex; abdomen pale fuscous. Fore wing very pale yellow, with diffused pale olive-brown stripes on basal half; the outer area leaden grey with a reddish suffusion, its inner edge oblique. Hind wing fuscous, with traces of broad darker marginal band.

Hab. Aden (*Yerbury, Nurse*). *Exp.* 14 mm.

APORODES FLORALIS, Hübn. Eur. Schmett., Pyr. f. 142.

Aden.

APORODES ALBILINEALIS, n. sp. (Plate X. fig. 4.)

Grey-brown; abdomen whitish. Fore wing with straight erect medial white line; a discocellular white line with black speck on it at lower angle of cell and two white specks above it on costa; a submarginal white line angled outwards on vein 6, then incurved; a speck on costa near apex and marginal line. Hind wing whitish, with brown suffusion on apical area; a fine marginal dark line and line at base of cilia.

Hab. Aden (*Nurse*). *Exp.* 18 mm.

MECYNA POLYGONALIS, Hübn. Schmett. Eur., Pyr. p. 409, pl. 4. f. 2.

Mecyna deprivalis, Wlk. xix. 806.

Shaik Othman, Arabia.

NOORDA FESSALIS, Swinh. P. Z. S. 1886, p. 459, pl. 41. f. 13.
Aden.

NOORDA BLITEALIS, Wlk. xix. 979.
Aden.

ANTIGASTRA CATALAUNALIS, Dup. Lép. Fr. viii. p. 330, pl. 232.
f. 8.

Aden; Lahej, Arabia.

NOMOPHILA NOCTUELLA, Schiff. Wien. Verz. p. 136.
Aden.

PACHYZANOLA MUTUALIS, Zell. Lep. Caffr. p. 40.
Zaila, Somaliland.

PYRAUSTA ARABICA, Bntl. P. Z. S. 1884, p. 500.
Aden.

PYRAUSTA PHENICEALIS, Hübn. Verz. p. 348.
Lahej, Arabia; Zaila, Somaliland.

PYRAUSTA INCOLORALIS, Guen. Delt. & Pyr. p. 333.
Spilodes nitetisalis, Wlk. xviii. 773.
Aden; Shaik Othman, Arabia; Zaila, Somaliland.

PYRAUSTA PEDIUSALIS, Wlk. xviii. 788.
Aden.

PYRAUSTA INGLORIALIS, Zell., ? MS.
Shaik Othman, Arabia.

Gen. APLECTROPUS, nov.

Palpi porrect, triangularly scaled, the 3rd joint hidden by hair; maxillary palpi filiform; frons rounded; antennæ of male ciliated; mid and hind tibiæ with the terminal spurs minute, the medial spurs absent. Fore wing short and broad, the apex rounded; veins 3, 4, 5 from angle of cell; 7 straight and well separated from 8, 9. Hind wing with veins 3, 4 from angle of cell; 5 from above angle; 6, 7 from upper angle, 7 anastomosing with 8 almost to apex.

APLECTROPUS LEUCOPIS, n. sp. (Plate X. fig. 10.)

Head, thorax, and abdomen black-brown, irrorated with grey; tarsi pure white. Fore wing reddish brown, irrorated and suffused with fuscous; a curved dark antemedial line; a prominent round white discocellular spot; a black line from costa near apex with white beyond it below apex, running out to the margin between

veins 5 and 2, then recurved almost to lower angle of cell, and with grey in the sinus. Hind wing fuscous, with rufous marginal band defined by a black line and narrowing to anal angle.

Hab. Aden (*Yerbury, Nurse*). *Exp.* 12-18 mm.

EURYCREON NUDALIS, Hübner. Samml. eur. Schmett., Pyr. f. 90.

Aden; Shaik Othman and Huswah, Arabia.

EURYCREON ALBIFASCIALIS, n. sp. (Plate X. fig. 29.)

♀. Head and thorax dark brown and grey with a cupreous tinge; abdomen white suffused with fuscous. Fore wing cupreous brown, irrorated with grey; a white fascia from base below median nervure and vein 2 to end of cell; a quadrate white spot in end of cell, with a series of three streaks beyond it, running obliquely to costa near apex; the outer margin pale. Hind wing white, suffused with pale fuscous and brown; a dark marginal line.

Hab. Aden (*Nurse*). *Exp.* 22 mm.

DOSARA PALMALIS, Swinh. P. Z. S. 1884, p. 525, pl. 48. f. 11.

Aden.

METASIA PROFANALIS, Wlk. xxxiv. 1403.

Aden.

LIMACODIDÆ.

PABASA FULVI-CORPUS, n. sp. (Plate X. fig. 12.)

♂. Head pale yellow; collar, patagia, and metathorax fringed with deep fulvous; thorax blue-green; abdomen pale yellow, dorsum deep fulvous. Fore wing blue-green, the costa pale yellow. Hind wing pale yellow.

Hab. Aden (*Nurse*). *Exp.* 22 mm.

LASIOCAMPIDÆ.

TARAGAMA ACAOLÆ, Klug, Ehren. Symb. Phys. pl. ix.

Shaik Othman, Arabia.

COSSIDÆ.

EREMOCOSMUS PROLEUCA, n. sp. (Plate X. fig. 24.)

Head, thorax, and abdomen white with slight fuscous tinge. Fore wing brown, with broad white costal fascia hardly reaching apex; a white fascia from base of inner margin to middle of vein 1; an oblique white band from outer margin below apex, expanding into a large patch on disc, reaching middle of median nervure. Hind wing white.

Hab. Aden (*Yerbury, Nurse*). *Exp.* 22-32 mm.

The larva feeds on Acacia.

SESIIDÆ.

Genus CRINIPUS, nov.

Palpi upturned and reaching vertex of head, the 2nd joint moderately fringed in front, the 3rd short; proboscis present; antennæ of male with minute fascicles of cilia; mid and hind tibiæ with medial and terminal tufts of hair; hind tarsi with the 1st joint tufted. Fore wing with veins 2 and 3 closely approximated from angle of cell; 4, 5, 6 at intervals; 7, 8 stalked. Hind wing with veins 3, 4 from angle of cell or shortly stalked; 5 absent; 6 from below upper angle.

Allied to *Aschistophleps* and *Oligophlebia*, Hmps. n.

CRINIPUS LEUCOZONIPUS, n. sp. (Plate X. fig. 21.)

Head, thorax, and abdomen black; palpi in front, frons, and a line behind the eyes white; tibiæ, tarsi, and 4th segment of abdomen banded with white; some grey scales on 1st and last abdominal segments. Wings hyaline, the veins black; fore wing with black margins and discocellular band; both wings with the cilia brown.

Hab. Aden (*Yerbury, Nurse*). Exp. 14 mm.

PTEROPHORIDÆ.

TRICHOPTILUS, Wlsm.

TRICHOPTILUS OXYDACTYLUS, Wkr.

Pterophorus oxydactylus, Wkr. Cat. Lep. Ins. B. M. xxx. 944 (1864)¹.

Acipitilia oxydactyla, Wlsm. P. Z. S. 1885, p. 885 (1886)².

Pterophorus oxydactylus, Moore, Lep. Ceyl. iii. p. 528-9, pl. 209. 16 (1887)³; Swinh. & Cotes, Cat. Moths Ind. p. 669. no. 4549 (1889)⁴.

[? = *Trichoptilus centetes*, Meyr. Tr. Ent. Soc. Lond. 1886, p. 16-17⁵; 1887, p. 266⁶; Wlsm. P. Z. S. 1891, p. 494-5 (1892)⁷.]

Imago. 15 II.—9 III. (*Yerbury, Nurse*), IX.² [? XI.⁶], XII.²

Hab. Ceylon^{1,3}; India—Poona², Bombay⁴; S.W. Arabia—Aden (*Yerbury, Nurse*); Lahej (*Yerbury, Nurse*); [? New Guinea—Port Moresby⁶; ? Queensland⁶; ? West Indies—St. Vincent⁷].

TORTRICIDÆ.

OLETHREUTINÆ.

PAMMENE, Hb.

PAMMENE PHARAONANA, Kllr.

Grapholitha pharaonana, Kllr. Wien. ent. Monats. ii. p. 154-8, pl. v. 1-5 (1858)¹.

Grapholitha, sp., Frfld. Ver. z.-b. Ges. Wien, ix. Abh. p. 321-3, pl. vi. 1, pl. vii. 2 (1859)².

Grapholitha pharaonana, Ld. Wien. ent. Mon. iii. p. 339 (1859)²;
iv. p. 157-8 (1860)⁴.

Grapholitha pharaonana, Wkr. Cat. Lep. Ins. B. M. xxvii. p. 266
(1863)⁵.

Larva in galls on *Tamarix articulata*, XII.¹

Imago. II.¹, 20 II. (*Yerbury*).

Hab. Egypt—Cairo¹, Alexandria²; S.W. Arabia—Shaik Othman
(*Yerbury*).

The specimen collected by Col. Yerbury has the hind wings
slightly darker than in Egyptian specimens.

GELECHIAE.

SITOTROGA, Hein.

SITOTROGA CEREALELLA, Oliv.

Sitotroga cerealella, Oliv.; Stgr. & Wk. Cat. 296, no. 2009 (1871).

Hab. Europe, N. America, Australia, Canaries. S.W. Arabia—
Aden, 18 III. 1895 (*Nurse*).

GELECHIA, Hb.

GELECHIA MOLITOR, Wlsm., sp. n.

Antennæ meal-white, faintly annulated.

Palpi somewhat flattened, closely clothed, recurved laterally to
above the head; apical joint shorter than the second, gradually
tapering but not slender; meal-white.

Head and thorax meal-white.

Fore wings elongate, lanceolate towards the apex; meal-white
with some indication of a darker shade above the base of the fold,
a slight greyish shade spot at the end of the cell and some very
faint greyish shade spots around the termen at the base of the costal
and terminal cilia, which are also meal-white. *Exp. al.* 14 mm.

Hind wings somewhat iridescent, greyish white; cilia mealy
white.

Abdomen mealy whitish.

Legs mealy white.

Type, ♂.

Hab. Aden, 12 IV. 1895 (one specimen, *Nurse*).

ANARSIA, Z.

ANARSIA ACACIÆ, Wlsm., sp. n.

Antennæ greyish.

Palpi brownish fuscous externally, but with the anterior margin
hoary white.

Head hoary whitish.

Thorax greyish.

Fore wings hoary greyish, with numerous short longitudinal
streaks of greyish fuscous intermixed with lighter and darker
shades of the ground-colour: of these the more conspicuous are

one at the base of the fold and one along the upper edge of the outer half of the fold, another at the lower edge of the discal cell beyond the middle, almost joining a more slender one beyond it, which nearly attains the termen; on the middle of the costa is a short oblique greyish-fuscon shade; cilia greyish, tending to ochreous along their base at the tornus, with slender darker lines running through them. Underside shining pale greyish; ♂ with a conspicuous tuft of jet-black hairs arising near the base of the dorsum. *Exp. al.* 13 mm.

Hind wings shining, somewhat iridescent, bluish grey; cilia greyish ochreous. Underside shining pale greyish.

Abdomen greyish, inclining to ochreous at the base.

Legs pale greyish ochreous, with faintly spotted hind tarsi.

Type, ♂ ♀.

Hab. S.W. Arabia—Aden (8 specimens, *Yerbury, Nurse*); Africa—Algeria (one specimen, *Coll. Ragonot*).

Larva in seed-pods of *Acacia edgworthii*—excl. 7-23. III. (*Yerbury*); *Acacia farnesiana* (*Ragonot* "No. 1137, Wlsm. 1894").

I first received an example of this species for examination from my late friend Monsieur E. Ragonot, who called my attention to the peculiar tuft of black hair-scales on the underside of the fore wing of the ♂. He had received it from Algeria bred from *Acacia farnesiana*, but I am not aware that he had published any description of it before his death, although I told him that I quite agreed with him in regarding it as a new species.

ELACHISTIDÆ.

LAVERNA, Crt.

LAVERNA GAMBIELLA, Wlsm.

Laverna gambiella, Wlsm. Tr. Ent. Soc. Lond. 1891, p. 117, pl. v. 54 (1891)¹.

Hab. W. Africa—Gambia¹; S.W. Arabia—Aden, 12 IV. 1895 (*Nurse*).

SCYTHRIS, Hb.

=§ *BUTALIS*, Tr.

SCYTHRIS OCHREA, Wlsm., sp. n.

Antennæ pale ochreous.

Palpi pale brownish ochreous.

Head and thorax pale brownish ochreous.

Fore wings and *cilia* unicolorous pale brownish ochreous, the latter becoming slightly paler at the tornus.

Hind wings cinereous; *cilia* brownish ochreous. *Exp. al.* 13 mm.

Abdomen greyish.

Legs pale greyish ochreous.

Type, ♀.

Hab. Aden, 21 III. 1895 (two specimens, *Nurse*).

Allied to *Butalis subburnea*, Wlsm.

ERETMOCERA, Z.

ERETMOCERA FASCIATA, Wlsm., sp. n.

Antennæ greyish fuscous.

Palpi dusky greyish.

Head and thorax bronzy greyish fuscous.

Fore wings bronzy greyish fuscous; with a straight, transverse, pale whitish ochreous fascia before the middle, followed by a dorsal spot before the tornus and a rather larger costal spot of the same colour before the commencement of the cilia; some faint whitish ochreous speckling on the wing-surface; cilia brownish grey, with a few fuscous scales along their base. *Exp. al.* 9 mm.

Hind wings dark grey; cilia with a slightly brownish tinge.

Abdomen at the extreme base with a whitish ochreous band and a dark purplish patch below it, the remainder rich reddish orange; the anal segments dark purplish fuscous.

Legs dark purple, with pale whitish ochreous bands at the joints; spurs pale whitish ochreous.

Type, ♂.

Hab. Somaliland—Zaila, 2 VI. 1895 (*Nurse*); Arabia—Shaik Othman, 21 IV. 1895 (*Nurse*): two specimens.

PLUTELLIDÆ.

PLUTELLA, Schrk.

PLUTELLA CRUCIFERARUM, Z., Stgr. & Wk. Cat. pp. 281 & 425, no. 1626 (1871).

Hab. (cosmopolitan). S.W. Arabia—Aden, 12 IV. 1894 (*Nurse*).

TINEIDÆ.

TINEINÆ.

TRICHOPLAGA, Rag.

TRICHOPLAGA SWINHOEI, Butl.

Tinea swinhoei, Butl. P. Z. S. 1884, p. 502-3¹.

N. syn. = *Trichophaga coprobiella*, Rag. Ann. Soc. Ent. Fr. lxxiii. p. 120-4, figg. (1894)².

Larva in hair-tubes in camels' dung, feeding on hair²; dogs' dung, 7 II.—23 II. (*Yerbury*).

Imago. b. I.², 24 II.—8 IV. (*Yerbury*).

Hab. N.E. Africa—Obok (Gulf of Tadjurah)²; S.W. Arabia—Aden¹ (*Yerbury*), Little Aden (*Yerbury*), Shaik Othman (*Yerbury*).

Monsieur Ragonot created the genus *Trichophaga* to include the three species *tapetzella*, L., *abruptella*, Wlsm. (= *bipartitella*, Rag.), and *coprobiella*, making the latter the type. Some specimens received from Col. Yerbury, bred from larvæ feeding in the dung of dogs (and I am informed also in that of the hyæna) at Aden, caused me to compare *coprobiella* (of which I have a co-type) with

swinhoei, Btl. Their better condition proves them to be the same, and unites Ragonot's and Butler's names as synonyms. The habit of feeding on hair, which caused Ragonot to give it the name *Trichophaga*, is supported by additional evidence in the case of Col. Yerbury's larvæ, for the excrement is naturally charged with the hair of various animals forming the food of the dog or of the hyæna, and the tubes or cases formed by the larvæ, which project from the dry substance, are very similar to those which Ragonot received with his specimens. It would be curious to ascertain whether our common *T. tapetzella* has ever been found feeding in the dry casts of owls or in the excrement of cats or other animals, or forming tubes among these substances, where the conditions would be somewhat similar to those which conduce to this habit in the case of Butler's species. *T. tapetzella* has been observed in great abundance on palings in the neighbourhood of Brandon, where "furrier's waste" (the trimmings of rabbits' skins) is much used for manuring the fields, and where I have also taken *Monopis imella*, Hb., very commonly.

It is very remarkable that the peculiar neuration of *T. tapetzella*, a species described so long ago as 1758, should have remained unnoticed until the attention of my late friend was called to it in examining the structure of this African and Asiatic species. It seems to form a good generic distinction, at present including only three described species.

TRICHOPIHAGA ABRUPTELLA, Wltn.

Tinea abruptella, Wltn. Ann. & Mag. N. H. (3 s.) i. 120 (1858)¹; Wkr. Cat. Lp. Ins. B. M. xxx. 1003 (1864)².

Tinea bipartitella, Rag. Bull. Soc. Ent. Fr. 1892, p. lxxxii³.

Tinea tapetzella, Rbl. Ann. k.-k. Hofmus. vii. 268-9, 283 (1893)⁴; ix. 17 (1894)⁵.

Trichophaga bipartitella, Rag. Ann. Soc. Ent. Fr. lxiii. 122-4 (1894)⁶.

Trichophaga abruptella, Wlsm. P. Z. S. 1894, 541⁷.

Hab. Madeiras^{4,5}—Porto Santo^{1,2,4}; Canaries—Gran Canaria^{4,5}; Tunis—Gabès^{4,5}; Egypt¹; Somaliland—Zaila, 21 V. 1895 (*Nurse*); S.W. Arabia—Aden, 30 IV. 1895 (*Nurse*).

TINEOLA, H.-S.

TINEOLA TENIÆCORNIS, Wlsm., sp. n.

Antennæ stout, flattened horizontally; pale ochreous.

Palpi pale ochreous.

Head brownish above; face rusty ochreous.

Thorax shining pale ochreous.

Fore wings shining pale ochreous; slightly darkened at the base of the costa; cilia the colour of the wings. *Exp. al.* 16 mm.

Hind wings greyish ochreous; cilia the same.

Type, ♂.

Hab. Aden, 14 III. (one specimen, *Yerbury*).

This species differs from all hitherto described species of *Tineola* in the form of the antennæ, which are much stouter and more distinctly flattened than in *biselliella*, Humm., which it also exceeds in size. This form of antenna attains its greatest development in Ceylon.

PHTHOROPÆA, Wlsm., g. n.

(φθοροποιός=causing injury.)

Type. *Phthoropæa carpella*, Wlsm.

Antennæ less than the length of the fore wings, simple.

Labial palpi porrect, somewhat thickly clothed, apical joint concealed.

Maxillary palpi minute.

Haustellum apparently obsolete.

Ocelli ?

Head and face roughly clothed with projecting hair-scales.

Thorax smooth.

Fore wings elongate, somewhat lanceolate, costa straight, apex depressed. *Neuration* 11 veins (7 and 8 coincident), the rest separate; 9 and 10 almost anastomosed before the costa; the fork at the base of vein 1 apparently obsolete.

Hind wings almost 1, somewhat triangular, tapering to a narrow point, abdominal angle developed. *Neuration* 8 veins, all separate.

Legs: hind tibiæ somewhat hairy.

PHTHOROPÆA CARPELLA, Wlsm., sp. n.

Antennæ greyish ochreous.

Pulpi brownish fuscous.

Head and face ferruginous.

Thorax bronzy fuscous, with two pale longitudinal streaks.

Fore wings bronzy brownish fuscous, with a paler streak along the dorsum and with three or four tufts of slightly raised scales showing a little darker than the ground-colour; the first on the middle of the fold with a smaller one above it on the disc, a second towards the end of the fold and another at the end of the cell; a dark fuscous line runs along the termen and another along the ends of the cilia, which have a tendency to give an uncate appearance to the apex. *Exp. al.* ♂ 12 mm., ♀ 16 mm.

Hind wings shining pale bronzy grey; the cilia, which are very long about the abdominal angle, are slightly paler. Underside shining bronzy grey, slightly paler than the fore wings.

Abdomen pale greyish ochreous, with two dark lateral spots at the base beneath.

Legs greyish ochreous, hind tarsi faintly speckled; anterior legs fuscous externally.

Type, ♂.

Hab. Aden (three specimens, Yerbury, Nurse).

Larva in fruit of *Solanum*, sp. (Yerbury); in seed-pods of *Acacia edgworthii* (Nurse).

